

Aquatic Resources on Mining Sites Tour

D. Courtney Black

National Mine Land Reclamation

West Virginia University

Photographic credit: Heino Beckert, Ph.D.

U.S. DOE, National Energy Technology Laboratory

Morgantown, WV

Four Mine Sites

- Elk Run Mine operated by Massey Coal Services
- Samples Mine operated by Catenary Coal
- Wayne County operations of Pen Coal Company
- Hobet Mining #21 – subsidiary of Arch Coal, Inc.

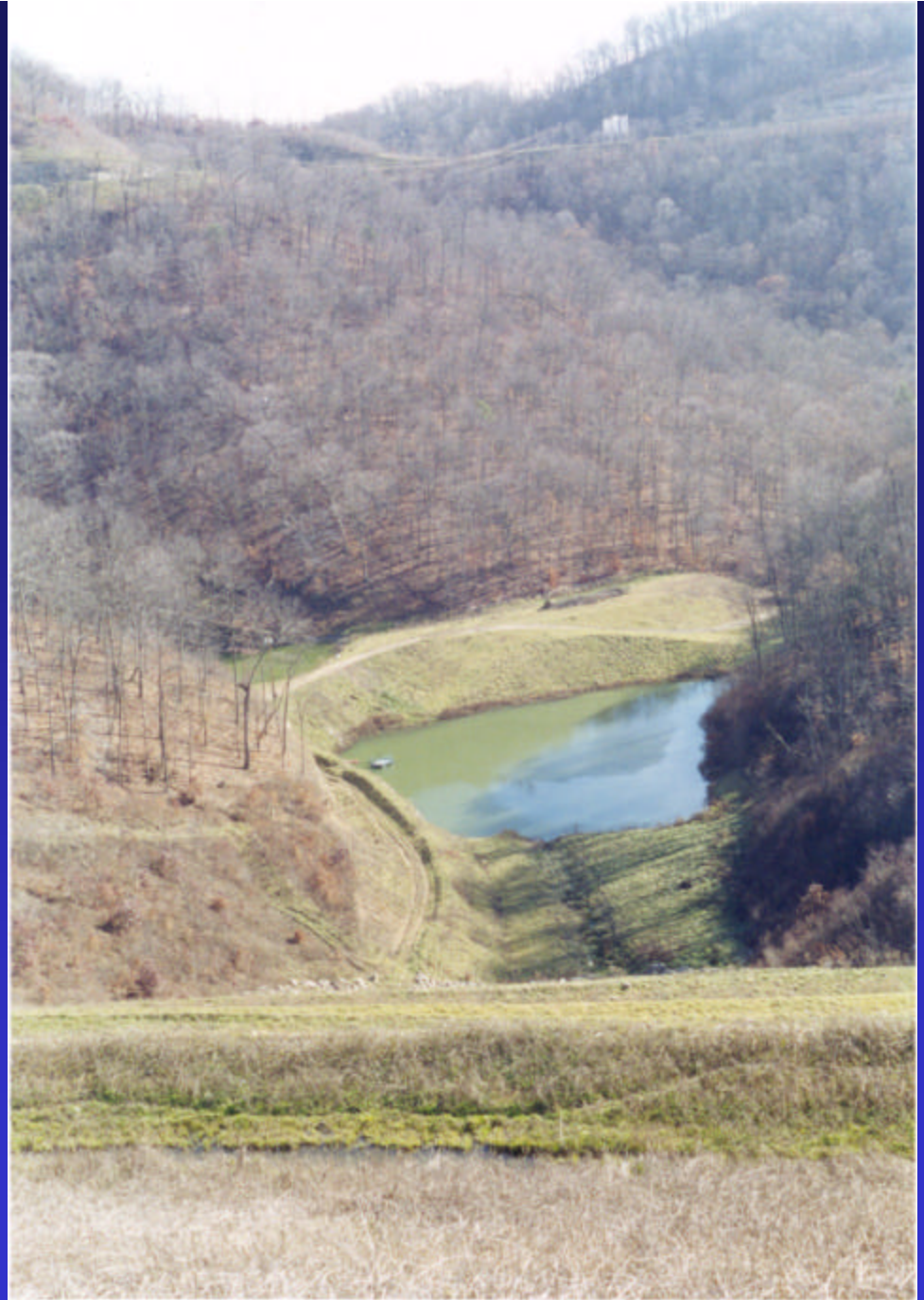
Active pit at Elk Run



of valley fill



View of pond
below valley fill



Valley Fill # 3 in construction



Ponds at toe of VF #3



Elk Run Mine

slope has not been compacted, trees have been planted



Samples Mine





In-stream ponds below 32 acre
fill area; good fish populations





Pen Coal

Encapsulation cell for toxic material



Combination Ditch

constructed on 8 month old reclamation
for sediment and storm water control



Rollem Fork Surface Mine



Combination Ditch



Rollem Fork Valley Fill



Contoured Valley Fill



Tree planting on 8 year old reclamation – Frank Branch



Hobet Mining #21

20 year old valley fill



10 year old reclamation



Rolling landscape created by
dragline; valley fill in center



in center, valley fill on left



Close up of combination ditch



Reclaimed landscape at Hobet #21

